CPC   COOPERATIVE PATENT CLASSIFICATION

G06E   **OPTICAL COMPUTING DEVICES;** { COMPUTING DEVICES USING OTHER RADIATIONS WITH SIMILAR PROPERTIES}(optical logic elements per se G02F 3/00; digital storage using optical elements G11C 13/04)

NOTE

> This subclass covers all devices in which at least one computing function is performed by optical means.
>
> If other aspects, for example mechanical, fluid pressure or electrical computing, are of interest, classification is also made in the relevant subclass for such aspects.

G06E 1/00   **Devices for processing exclusively digital data**

G06E 1/02   . operating upon the order or content of the data handled

G06E 1/04   . . for performing computations using exclusively denominational number representation, e.g. using binary, ternary, decimal representation

G06E 1/045   . . . {Matrix or vector computation}

G06E 1/06   . . for performing computations using a digital non-denominational number representation, i.e. number representation without radix; using combinations of denominational and non-denominational number representations

G06E 1/065   . . . {using residue arithmetic}

G06E 3/00   **Devices not provided for in group G06E 1/00, e.g. for processing analogue or hybrid data**

WARNING

> Not complete. For hybrid devices see also G06J

G06E 3/001   . {Analogue devices in which mathematical operations are carried out with the aid of optical or electro-optical elements (optical elements per se G02B; devices consisting of a plurality of solid state components, including light sensitive semiconductor components, formed in or on a common substrate H01L 27/14; electro-, magneto- or acousto-optics, non-linear optics G02F 1/00; graph reading G06K 11/00)}

G06E 3/003   . . {forming integrals of products, e.g. Fourier integrals, Laplace integrals, correlation integrals; for analysis or synthesis of functions using orthogonal functions}

G06E 3/005   . . {using electro-optical or opto-electronic means}

G06E 3/006   . {Interconnection networks, e.g. for shuffling}

G06E 3/008   . { Matrix or vector computation}

WARNING

Not complete. See also G06E 3/00A